

a. **7 Strand Fence** (refer to Forest Service publication 9923-2321-MTDC, “Electric Fence Systems: Requirements for Meeting the NCDE Food Storage Special Order, 1999”, for more description of fence specifications and set-up):

- (1) The fence will be set up as a “tight wire” fence. The wire will be tight and under tension, not loose or sagging.
- (2) Minimum fence height 4 feet.
- (3) Minimum post height 5 feet.
- (4) Maximum spacing between posts 8 feet.
- (5) Conductors (wire): Minimum of 7 wires, with 6-10 inch spacing between wires. Bottom wire must be within 2 inches of the ground. All wire must be smooth metal fence wire of at least 16 gauge or poly wire, except the top wire which may be poly tape of at least six strand stainless steel.
- (6) The system will be set up to operate both as a ground wire return and a grounded system. The 2 top wires will be hot, with all other wires alternating hot and ground. The minimum length ground rod is 2 feet.
- (7) Fence charger (minimum): (1) energizer output of 0.7 joules; (2) tested peak output of 5000 volts; (3) 40 shocks per minute. User must be able to test electrical output in the field.
- (8) The charger must be made inaccessible to disturbance from a bear. The charger may be stored within the interior of the fence or located a minimum of 10 feet above ground.
- (9) Minimum distance between fence and items enclosed by fence.....3 feet.